

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference W57470001 GA/JW		FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/SE 2005/000457	International filing date (day/month/year) 30-03-2005	Priority date (day/month/year) 30-03-2004	
International Patent Classification (IPC) or national classification and IPC See Supplemental Box			
Applicant Andersson Jonas et al			
<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input checked="" type="checkbox"/> (sent to the applicant and to the International Bureau) a total of <u>3</u> sheets, as follows:</p> <p><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>			
<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>			
Date of submission of the demand 30-01-2006		Date of completion of this report 22-03-2006	
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## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE 2005/000457

## Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: Cover sheet

**International patent classification (IPC)****G07B 15/00 (2006.01)****G07C 1/30 (2006.01)****G07F 17/24 (2006.01)****G07F 7/08 (2006.01)**

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

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## Box No. I Basis of the report

## 1. With regard to the language, this report is based on:

- ☐ the international application in the language in which it was filed
- ☐ a translation of the international application into \_\_\_\_\_, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rules 12.3(a) and 23.1(b))
- ☐ publication of the international application (Rule 12.4(a))
- ☐ international preliminary examination (Rules 55.2(a) and/or 55.3(a))

## 2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):

- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1 - 10 as originally filed/furnished
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☒ the claims:
- pages \_\_\_\_\_ as originally filed/furnished
- pages\* \_\_\_\_\_ as amended (together with any statement) under Article 19
- pages\* 1 - 3 received by this Authority on 30-01-2006
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☒ the drawings:
- pages 1 - 3 as originally filed/furnished
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (specify): \_\_\_\_\_
- ☐ any table(s) related to the sequence listing (specify): \_\_\_\_\_

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (specify): \_\_\_\_\_
- ☐ any table(s) related to the sequence listing (specify): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement

Novelty (N)	Claims	<u>1-11</u>	YES
	Claims		NO
Inventive step (IS)	Claims	<u>1-11</u>	YES
	Claims		NO
Industrial applicability (IA)	Claims	<u>1-11</u>	YES
	Claims		NO

## 2. Citations and explanations (Rule 70.7)

## Documents cited in the International Search Report:

D1: EP 1126418 A1

D2: WO 9319435 A1

D3: US 6102285 A

D4: WO 03019485 A1

The cited documents represent the general state of the art.

The invention defined in claims 1-11 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed method and device for verifying fee payment. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-11 is novel and is considered to involve an inventive step. The invention is industrially applicable.

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## CLAIMS

IAP5 Rec'd PCT/PTO 25 SEP 2006

1. A method for paying and verifying fees for a service, such as a parking fee, comprising a communication unit, **characterized** by
- loading said communication unit with a message, such as the fact that a fee has been paid for said service, said message comprising information about an identity of a receiver intended for receiving said message.
2. The method of claim 1, **characterized** by
- polling said communication unit by a receiver terminal having a receiver terminal identity and receiving said message provided that said receiver terminal identity agrees with said information of said message.
3. The method of claim 2, characterized by:
- emitting a wake up signal by the receiver terminal, which signal activates the communication unit;
- transmitting said receiver terminal identity by the receiver terminal to the communication unit;
- searching in said communication unit for a message corresponding to the receiver terminal identity;
- transmitting said message corresponding to said receiver terminal identity, provided that such a message has been found.
4. The method of claim 2 or 3, **characterized** by:
- verifying, by means of said receiver terminal, the payment of a fee by analysing the contents of the message.
5. The method of any one of the previous claims, characterized by

AMENDED SHEET

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loading said communication unit by a personal terminal, whereby the validity of the message is proven through the use of codes, secret information, encryption or cryptographic signatures.

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6. The method of claim 5, characterized by:

signing said message so that the identity of the user is defined, such as the identity of the personal terminal or the person using it or the identity of the vehicle.

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7. The method of any one of the preceding claims, characterized in that said communication unit is arranged inside a vehicle for indicating that a parking fee has been paid.

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8. The method of any one of claims 4 to 7, characterized in that said communication unit is wirelessly available from outside the vehicle by said receiving terminal..

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9. A system for paying and verifying fees for a service, such as a parking fee, comprising a communication unit, **characterized by**

a message, which is loaded into said communication unit, such as the fact that a fee has been paid for said service, said message comprising information about an identity of a receiver intended for receiving said message.

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10. The system of claim 9, **characterized by** a receiver terminal having a receiver terminal identity, for polling said communication unit and for receiving said message provided that said receiver terminal identity agrees with said information of said message.

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11. The system of claim 9 or 10, **characterized by**

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PCT International Application

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a personal terminal for loading said communication unit, whereby the validity of the message is proven through the use of codes, secret information, encryption or cryptographic signatures.

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